

III. CLAIM AMENDMENTS

1. (Original) A method for performing handover of a mobile station communicating in a first call via a first network to communication in a second call via a second network, comprising:

generating a request for handover;

establishing the second call between the first network and the mobile station via the second network; and

transferring data communication between the mobile station and the first network from the first call to the second call.

2. (Original) A method as claimed in claim 1, comprising the step of releasing the first call after data communication between the mobile station and the first network has been transferred from the first call to the second call.

3. (Previously Presented) A method as claimed in claim 1, wherein the mobile station generates the request for handover.

4. (Previously Presented) A method as claimed in claim 1, wherein the first network generates the request for handover.

5. (Previously Presented) A method as claimed in claim 1, wherein the mobile station originates the second call.

6. (Original) A method as claimed in claim 5, wherein:

the first network transmits to the mobile station data indicating an identification for the handover operation;

the mobile station transmits to the second network data indicating that identification; and

when the second call has been established the second network transmits to the first network data indicating that identification.

7. (Previously Presented) A method as claimed in claim 1, wherein the first network originates the second call.

8. (Original) A method as claimed in claim 7, wherein the mobile station transmits its identification in the second network to the first network and the first network uses that identification in originating the second call.

9. (Previously Presented) A method as claimed in claim 1, wherein the geographical coverage of the second network is greater than that of the first network.

10. (Previously Presented) A method as claimed in claim 1, wherein the first network is an IMT-2000 network.

11. (Previously Presented) A method as claimed in claim 1, wherein the second network is a PDC network.

12. (Previously Presented) A method as claimed in claim 1, wherein the first and second networks are cellular telephone networks.

13. (Previously Presented) A method as claimed in claim 1, wherein the mobile station is capable of communicating by radio with the first and second networks.

14. (Previously Cancelled)

15. (Previously Presented) A method for performing handover of a mobile station communicating in a first call via a first network to communication in a second call via a second network, comprising:

generating a request for a handover;

establishing the second call between the first network and the mobile station via the second network;

transferring data communication between the mobile station and the first network from the first call to the second call;

wherein the mobile station originates the second call; and

the first network transmits to the mobile station data indicating an identification for the handover;

the mobile station transmits to the second network data indicating the identification; and

when the second call has been established the second network transmits to the first network data indicating the identification.

16. (New) An apparatus for performing handover of a mobile station communicating in a first call via a first network to communication in a second call via a second network, the apparatus being arranged to:

determine that a handover is required;

establish the second call between the mobile station and the first network via the second network;

transfer data communication between the mobile station and the first network from the first call to the second call.

17. (New) An apparatus for performing handover of a mobile station communicating in a first call via a first network to communication in a second call via a second network, the apparatus comprising:

means for determining that a handover is required;

means for establishing the second call between the mobile station and the first network via the second network;

means for transferring data communication between the mobile station and the first network from the first call to the second call.

18. (New) A method for performing handover of a mobile station communicating in a first call via a first network to communication in a second call via a second network, the method comprising:

communicating data between the mobile station and the first network in the first call;

determining that a handover is required;

establishing the second call between the mobile station and the first network via the second network; and

transferring data communication between the mobile station and the first network from the first call to the second call.

19. (New) A method as claimed in claim 18, further comprising releasing the first call after data communication between the mobile station and the first network has been transferred from the first call to the second call.

20. (New) A method as claimed in claim 18, wherein the second call is originated by the first network.

21. (New) A method as claimed in claim 20, wherein the mobile station transmits its identification in the second network to the first network and the first network uses that identification in originating the second call.

22. (New) A method as claimed in claim 18, further comprising transmitting from the first network to the mobile station a confirmation message confirming that the second call has been established.

23. (New) A method as claimed in claim 22, wherein the mobile station releases the first call responsive to receiving the confirmation message.

24. (New) A mobile station for communicating in a first call with a first network and for communicating in a second call with a second network, the mobile station being arranged to:

communicate data with the first network in the first call;

determine that a handover is required;

establish the second call with the first network via the second network; and

transfer data communication with the first network from the first call to the second call.

25. (New) A mobile station as claimed in claim 24, wherein the mobile station is arranged to release the first call with the first network responsive to data communication with the first network being transferred from the first call to the second call.

26. (New) A mobile station as claimed in claim 24, wherein the mobile station is arranged to generate a handover request responsive to the determination and to transmit that request to the first network.

27. (New) A mobile station as claimed in claim 24, wherein the mobile station is arranged to determine that a handover is required responsive to receiving a handover request from the first network.

28. (New) A mobile station as claimed in claim 24, wherein the mobile station is associated with an identifier that identifies it to the second network.

29. (New) A mobile station as claimed in claim 28, wherein the mobile station is arranged to transmit to the first network data indicative of the identifier responsive to the determination that handover is required.

30. (New) A mobile station as claimed in claim 24, wherein the mobile station is arranged to receive from the first network a confirmation message confirming that the second call has been established.

31. (New) A mobile station as claimed in claim 24, wherein the mobile station is arranged to transfer data communication with the first network from the first call to the second call responsive to receiving the confirmation message.

32. (New) A network element for performing handover of a mobile station from a first call via a first network to a second call via a second network, the network element forming part of the first network and being arranged to:

communicate data with the mobile station via the first network
in the first call;

determine that handover is required;

establish the second call with the mobile station via the
second network; and

transfer data communication with the mobile station from the
first call to the second call.

33. (New) A network element as claimed in claim 32, wherein the network element is arranged to originate the second call.

34. (New) A network element as claimed in claim 32, wherein the network element is arranged to determine that a handover is required responsive to receiving a handover request from the mobile station.

35. (New) A network element as claimed in claim 32, wherein the network element is arranged to receive an identifier identifying the mobile station in the second network from the mobile station and use that identifier in originating the second call.

36. (New) A network element as claimed in claim 32, wherein the network element is arranged to receive a message confirming that the second call has been established from the second network and to transmit a confirmation message to the mobile station responsive to receiving that message.

37. (New) A method for performing handover of a mobile station communicating in a first call via a first network to communication in a second call via a second network, comprising:

communicating data between the mobile station and the first network in the first call;

determining that a handover is required;

transmitting from the first network to the mobile station data indicating an identification of the handover operation;

establishing the second call between the mobile station and the first network via the second network; and

transferring data communication between the mobile station and the first network from the first call to the second call.

38. (New) A method as claimed in claim 37, further comprising releasing the first call after data communication between the mobile station and the first network has been transferred from the first call to the second call.

39. (New) A method as claimed in claim 37, wherein the second call is originated by the mobile station.

40. (New) A method as claimed in claim 37, further comprising transmitting from the mobile station to the second network data indicating the identification of the handover operation.

41. (New) A method as claimed in claim 37, further comprising transmitting from the second network to the first network data indicating the identification of the handover operation responsive to the second call having been established.

42. (New) A method as claimed in claim 41, further comprising transmitting a confirmation message from the first network to the mobile station responsive to receiving data indicating the identification of the handover operation at the first network.

43. (New) A method as claimed in claim 42, further comprising releasing the first call responsive to receiving the confirmation message at the mobile station.

44. (New) A mobile station for communicating in a first call with a first network and for communicating in a second call with a second network, the mobile station being arranged to:

communicate data with the first network in the first call;

determine that a handover is required;

receive from the first network data indicating an identification of the handover operation;

establish the second call with the first network via the second network; and

transfer data communication with the first network from the first call to the second call.

45. (New) A mobile station as claimed in claim 44, wherein the mobile station is arranged to originate the second call.

46. (New) A mobile station as claimed in claim 44, wherein the mobile station is arranged to transmit data indicating the identification to the second network.

47. (New) A mobile station as claimed in claim 44, wherein the mobile station is arranged to release the first call with the first network responsive to data communication with the first network being transferred from the first call to the second call.

48. (New) A mobile station as claimed in claim 44, wherein the mobile station is arranged to receive from the first network a confirmation message confirming that the second call has been established.

49. (New) A mobile station as claimed in claim 48, wherein the mobile station is arranged to transfer data communication with the first network from the first call to the second call responsive to receiving the confirmation message.

50. (New) A network element for performing handover of a mobile station from a first call via a first network to a second call via a second network, the network element forming part of the first network and being arranged to:

communicate data with the mobile station via the first network
in the first call;

determine that a handover is required;

transmit to the mobile station data indicating an
identification of the handover operation;

establish the second call with the mobile station via the
second network; and

transfer data communication with the mobile station from the first call to the second call.

51. (New) A network element as claimed in claim 50, wherein the network element is arranged to receive from the second network data indicating an identification of the handover operation.

52. (New) A network element as claimed in claim 50, wherein the network element is arranged to transmit a confirmation message to the mobile station responsive to receiving from the second network data indicating an identification of the handover operation.

53. (New) The method of claim 1 further comprising the second network being a different network from the first network.